PowerVerter DDi 48-12 036

voltage converter

from AlfaTRONIX

The unit has the following key benefits:

- Quick and easy to connect
- Wide input voltage range 18V to 55V
- Power rating to 36W continuous (63W intermittent)
- Cool running switch mode design with efficiency typically 80%
- Low quiescent current (<30mA)
- Internal protection against over current, transients and overheating.

Characteristics	
Input Voltage Range	48Vdc nominal (18V-55V)
Output Voltage	13.6Vdc +/- 10%
Continuous Current Rating Intermittent Current Rating	13.6V output rated at 3A continuous 13.6V output 6A taken for a maximum of 2 minutes followed by 8 minutes rest.
Transient Voltage Protection	Meets ISO7637-2 International Standard for 24Vdc Commercial Vehicles.
Electro Static Voltage Protection	Meets ISO10605, ISO14982, >8kV contact, 15kV discharge.
Output Noise	<50mV pk-pk at continuous load. Meets CISPR25 and VDE0879-3..
Off load current (quiescent current)	<30mA. If connected to the battery, but not powering any equipment.
Power Conversion Efficiency	Typically 80%
Operating Temperature	-25°C to +30°C. +30°C to +80°C de-rate linearly to 0A
Storage Temperature	-25°C to +70°C
Operating Humidity	95% non-condensing.
Case Work	Anodized Aluminum, Dust, water and impact resistance IP533
Connections	4 off 6.3mm push on crimp connectors
Weight and Dimensions	Weight: 405g Dimensions 90 (L) x 87 (W) x 50 (H) mm
Mounting Method	"Click 'n' Fit" mounting clip, fitted separately using three hole fixing
Safe Area Protection: • Over Current • Over Heat • Transients • Catastrophic failure • Reverse Connection	 Limited by current sensing circuit Limited by temperature sensing circuit Protected by filters and rugged component selection Protected by input and output fuses Input blocking diode
Approvals	89/336/EEC The General EMC Directive 95/54/EC The Automotive EMC Directive (pending) 93/68/EEC The CE Marking Directive
Tested to	ISO7637, ISO10605, ISO11451, ISO11452, CISPR 25, VDE0879-3, EN60945
Markings	CE marked and e marked

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